

TEST AND MEASUREMENT (LAB) INSTRUMENTS

DC POWER SUPPLY & DECADE BOX

MODEL AX503

Rugged and accurate power supply can handle a direct short without causing damage



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FEATURES

- Dual (0 to 30) V_{DC}/(0 to 2.5) A outputs
- 5.5 V/5 A via a 3rd output
- Series and parallel operation permit (0 to 60) V or (0 to 5) A output
- Low noise (< 1 mV ripple) and stable linear technology for clean output
- High efficiency toroidal transformers: no fan and low electromagnetic emissions
- Active protection against overloads, short circuits and overheating
- Unique variable tracking mode for leader/follower operation: follower tracks leader proportionally to the original setting
- Simultaneous display of voltage and current
- Highly visible green (V) and red (A) LED displays

MODEL BR07

Bench top decade box that stands up to the task



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FEATURES

- Resistance box: 7 decades covering a range from 1 Ω to 11.11111 MΩ
- 11-position switches
- Output via 4 mm safety banana jacks
- Accuracy: 1 % ± 10 mΩ on all ranges

MODEL	AX503
Number of Outputs	3
VOLTAGE	
Output 1 & 2	(0 to 30) V _{DC}
Output 3 (No display)	(2.7 to 5.5) V _{DC}
Display Resolution	100 mV
Basic Accuracy	± 0.5 % of Reading ± 1 ct
Residual Ripple	± 1 mVrms
LINE REGULATION	
± 10 % Line Voltage	± 0.03 % of Reading ± 2 mV
LOAD REGULATION	
(0 to 2.5) A	± 0.02 % of Reading ± 5 mV
(0 to 5) A	± 0.2 % Reading ± 10 mV
CURRENT	
Output 1 & 2	(0 to 2.5) A
Output 3	5 A max (no adjustment)
Resolution	10 mA
Basic Accuracy	± 0.5 % of Reading ± 1 ct
Limit Indicator	LED, Outputs 1, 2 and 3
Short-Circuit Protection	Electronic current limitation with voltage shutdown
Overheating Protection	Thermal protection
OUTPUT COUPLING	
Tracking	Output 1: Leader / Output 2: Follower Proportional Follower Tracking (0 to 100 % of Leader)
Series Mode	(0 to 60) V _{DC} / (0 to 2.5) A
Parallel Mode	(0 to 30) V _{DC} / (0 to 5) A
Power Supply	110 V, (50 / 60) Hz (220 V optional)

Consult factory for NIST Calibration prices.

ACCESSORIES/REPLACEMENTS

CAT. #2117.78

Lead set includes (2) color-coded (red/black) safety leads, (2) color-coded (red/black) alligator clips (1) ground lead (green), and (2) color-coded (red/black) grip probes



150 V
CAT II

50 V
CAT III

CE



TYPES	MULTIPLYING FACTOR IN Ω						
	1	10	100	1 k	10 k	100 k	1 M
Accuracy	1 % ± 10 mΩ						
Max Current mAc	700 mA	200 mA	70 mA	20 mA	7 mA	1 mA	0.1 mA

Consult factory for NIST Calibration prices.

ACCESSORIES/REPLACEMENTS

CAT. #2131.35

Replacement, 6 ft safety lead, 4 mm female to female for Decade Boxes

CAT. #	DESCRIPTION
2130.07	DC Power Supply Model AX503 (Triple outputs, two (0 to 2.5) A; (0 to 30) V _{DC} ; (2.7 to 5.5) V _{DC})
2131.25	Resistance Decade Box Model BR07 ((x1, x10, x100) Ω, (x1, x10, x100) kΩ, x1 MΩ, 1 %)